

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/820,559

Source: IFWO

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IFWO

## RAW SEQUENCE LISTING

DATE: 11/23/2004

PATENT APPLICATION: US/10/820,559

TIME: 14:55:00

Input Set : A:\AERO1210-2.ST25.txt

Output Set: N:\CRF4\11222004\J820559.raw

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3 <110> APPLICANT: AEROVANCE, INC.
4   PAN, Clark
5   ROCZNIAK, Steve
6   GREVE, Jeffrey Michael
7   YUNG, Stephanie L.
8   LONGPHRE, Malinda
9   WONG, Teresa Mo-fun
10  TOMKINSON, Adrian
12 <120> TITLE OF INVENTION: MODIFIED IL-4 MUTEIN RECEPTOR ANTAGONISTS
14 <130> FILE REFERENCE: AERO1210-2
16 <140> CURRENT APPLICATION NUMBER: US 10/820,559
17 <141> CURRENT FILING DATE: 2004-04-08
19 <150> PRIOR APPLICATION NUMBER: US 60/530,182
20 <151> PRIOR FILING DATE: 2003-12-17
22 <150> PRIOR APPLICATION NUMBER: US 60/528,228
23 <151> PRIOR FILING DATE: 2003-12-09
25 <150> PRIOR APPLICATION NUMBER: US 60/498,906
26 <151> PRIOR FILING DATE: 2003-08-29
28 <160> NUMBER OF SEQ ID NOS: 30
30 <170> SOFTWARE: PatentIn version 3.3
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33 <211> LENGTH: 396
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Modified human sequence
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45 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat      180
47 gagaaggaca ctgctgcctt ggggtgcgact gcacagcagt tccacaggca caagcagctg      240
49 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt      300
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67 cagaagactc tgtgcaccga gttgtgcgta acagacatct ttgctgcctc caagaacaca      120

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71 gagaaggaca ctgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg 240
73 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt 300
75 cctgtgaagg aagccaacca gagtacgttg gaaaacttct tggaaaggct aaagacgac 360
77 atggacgaga aagactcaaa gtgttcgagc taataa 396
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83 <213> ORGANISM: Artificial sequence
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86 <223> OTHER INFORMATION: Modified human sequence
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93 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat 180
95 gagaaggaca ctgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg 240
97 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt 300
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119 gagaaggaca ctgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg 240
121 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt 300
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141 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat 180
143 gagaaggaca ctgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg 240
145 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt 300
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152 <210> SEQ ID NO: 6
153 <211> LENGTH: 396

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163 cagaagactc tgtgcaccga gttgaccgta acagacatct ttgctgcctc caagaacaca      120
165 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat      180
167 gagaaggaca ctcgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg      240
169 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt      300
171 cctgtgaagg aatgcaacca gactacgttg gaaaacttct tggaaaggct aaagacgac      360
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189 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat      180
191 gagaaggaca ctcgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg      240
193 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt      300
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202 <212> TYPE: DNA
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206 <223> OTHER INFORMATION: Modified human sequence
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209 atgcacaagt gcgatatcac cttacaggag atcatcaaaa ctttgaacag cctcacagag      60
211 cagaagactc tgtgcaccga gttgaccgta acagacatct ttgctgcctc caagaacaca      120
213 actgagaagg aaaccttctg cagggctgcg actgtgctcc ggcagttcta cagccaccat      180
215 gagaaggaca ctcgctgcct ggggtgcgact gcacagcagt tccacaggca caagcagctg      240
217 atccgattcc tgaaacggct cgacaggaac ctctggggcc tggcgggctt gaattcctgt      300
219 cctgtgaagg aagccaactg cagtacgttg gaaaacttct tggaaaggct aaagacgac      360
221 atggacgaga aagactcaaa gtgttcgagc taataa      396
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225 <211> LENGTH: 130
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Modified human sequence
232 <400> SEQUENCE: 9
234 Met His Lys Cys Asp Ile Thr Leu Gln Glu Ile Ile Lys Thr Leu Asn
235 1          5          10          15

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238 Ser Leu Thr Glu Gln Lys Thr Leu Cys Thr Glu Leu Thr Val Thr Asp
239           20           25           30
242 Ile Phe Ala Ala Ser Lys Asn Thr Thr Glu Lys Glu Thr Phe Cys Arg
243           35           40           45
246 Ala Ala Thr Val Leu Arg Gln Phe Tyr Ser His His Glu Lys Asp Thr
247           50           55           60
250 Arg Cys Leu Gly Ala Thr Ala Gln Gln Phe His Arg His Lys Gln Leu
251 65           70           75           80
254 Ile Arg Phe Leu Lys Arg Leu Asp Arg Asn Leu Trp Gly Leu Ala Gly
255           85           90           95
258 Leu Asn Ser Cys Pro Val Lys Glu Ala Asn Gln Ser Thr Leu Glu Asn
259           100          105          110
262 Phe Leu Glu Arg Leu Lys Thr Ile Met Asp Glu Lys Asp Ser Lys Cys
263           115          120          125

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266 Ser Ser

267 130

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273 &lt;213&gt; ORGANISM: Artificial sequence

275 &lt;220&gt; FEATURE:

276 &lt;223&gt; OTHER INFORMATION: Modified human sequence

278 &lt;400&gt; SEQUENCE: 10

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280 Met His Lys Cys Asp Ile Thr Leu Gln Glu Ile Ile Lys Thr Leu Asn
281 1           5           10           15

```

```

284 Ser Leu Thr Glu Gln Lys Thr Leu Cys Thr Glu Leu Cys Val Thr Asp
285           20           25           30

```

```

288 Ile Phe Ala Ala Ser Lys Asn Thr Thr Glu Lys Glu Thr Phe Cys Arg
289           35           40           45

```

```

292 Ala Ala Thr Val Leu Arg Gln Phe Tyr Ser His His Glu Lys Asp Thr
293           50           55           60

```

```

296 Arg Cys Leu Gly Ala Thr Ala Gln Gln Phe His Arg His Lys Gln Leu
297 65           70           75           80

```

```

300 Ile Arg Phe Leu Lys Arg Leu Asp Arg Asn Leu Trp Gly Leu Ala Gly
301           85           90           95

```

```

304 Leu Asn Ser Cys Pro Val Lys Glu Ala Asn Gln Ser Thr Leu Glu Asn
305           100          105          110

```

```

308 Phe Leu Glu Arg Leu Lys Thr Ile Met Asp Glu Lys Asp Ser Lys Cys
309           115          120          125

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312 Ser Ser

313 130

316 &lt;210&gt; SEQ ID NO: 11

317 &lt;211&gt; LENGTH: 130

318 &lt;212&gt; TYPE: PRT

319 &lt;213&gt; ORGANISM: Artificial sequence

321 &lt;220&gt; FEATURE:

322 &lt;223&gt; OTHER INFORMATION: Modified human sequence

324 &lt;400&gt; SEQUENCE: 11

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326 Met His Lys Cys Asp Ile Thr Leu Gln Glu Ile Ile Lys Thr Leu Asn

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Input Set : A:\AERO1210-2.ST25.txt

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327 1           5           10           15
330 Ser Leu Thr Glu Gln Lys Thr Leu Cys Thr Glu Leu Thr Val Thr Asp
331           20           25           30
334 Ile Phe Ala Ala Cys Lys Asn Thr Thr Glu Lys Glu Thr Phe Cys Arg
335           35           40           45
338 Ala Ala Thr Val Leu Arg Gln Phe Tyr Ser His His Glu Lys Asp Thr
339           50           55           60
342 Arg Cys Leu Gly Ala Thr Ala Gln Gln Phe His Arg His Lys Gln Leu
343 65           70           75           80
346 Ile Arg Phe Leu Lys Arg Leu Asp Arg Asn Leu Trp Gly Leu Ala Gly
347           85           90           95
350 Leu Asn Ser Cys Pro Val Lys Glu Ala Asn Gln Ser Thr Leu Glu Asn
351           100          105          110
354 Phe Leu Glu Arg Leu Lys Thr Ile Met Asp Glu Lys Asp Ser Lys Cys
355           115          120          125

```

358 Ser Ser

359 130

362 &lt;210&gt; SEQ ID NO: 12

363 &lt;211&gt; LENGTH: 130

364 &lt;212&gt; TYPE: PRT

365 &lt;213&gt; ORGANISM: Artificial sequence

367 &lt;220&gt; FEATURE:

368 &lt;223&gt; OTHER INFORMATION: Modified human sequence

370 &lt;400&gt; SEQUENCE: 12

372 Met His Lys Cys Asp Ile Thr Leu Gln Glu Ile Ile Lys Thr Leu Asn

373 1 5 10 15

376 Ser Leu Thr Glu Gln Lys Thr Leu Cys Thr Glu Leu Thr Val Thr Asp

377 20 25 30

380 Ile Phe Ala Ala Ser Cys Asn Thr Thr Glu Lys Glu Thr Phe Cys Arg

381 35 40 45

384 Ala Ala Thr Val Leu Arg Gln Phe Tyr Ser His His Glu Lys Asp Thr

385 50 55 60

388 Arg Cys Leu Gly Ala Thr Ala Gln Gln Phe His Arg His Lys Gln Leu

389 65 70 75 80

392 Ile Arg Phe Leu Lys Arg Leu Asp Arg Asn Leu Trp Gly Leu Ala Gly

393 85 90 95

396 Leu Asn Ser Cys Pro Val Lys Glu Ala Asn Gln Ser Thr Leu Glu Asn

397 100 105 110

400 Phe Leu Glu Arg Leu Lys Thr Ile Met Asp Glu Lys Asp Ser Lys Cys

401 115 120 125

404 Ser Ser

405 130

408 &lt;210&gt; SEQ ID NO: 13

409 &lt;211&gt; LENGTH: 130

410 &lt;212&gt; TYPE: PRT

411 &lt;213&gt; ORGANISM: Artificial sequence

413 &lt;220&gt; FEATURE:

414 &lt;223&gt; OTHER INFORMATION: Modified human sequence

416 &lt;400&gt; SEQUENCE: 13

VERIFICATION SUMMARY

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